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Electronic appendices are refereed with the text. However, no attempt is made to impose a uniform editorial style on the electronic appendices.

Taxa	humerus in mm	ulna in mm	"hand" in mm	habitat
<b>Carettochelyidae</b>				
<i>Carettochelys insculpta</i> (CJB 582)	21.9	14.8	43.4	moving or large bodies of water
<b>Cheloniidae</b>				
<i>Chelonia mydas</i> (FMNH 22066)	220	140	310	moving or large bodies of water
<i>Caretta caretta</i> (FMNH 51676)	112	67	161	moving or large bodies of water
<i>Eretmochelys imbricata</i> (FMNH 31009)	79	49.1	114	moving or large bodies of water
<b>Chelydridae</b>				
<i>Macrochelys temminckii</i> (FMNH 6631)	124	85.1	123	all bodies of water
<i>Chelydra serpentina</i> (YPM 6369)	71	42.4	51	stagnant or small bodies of water
<i>Chelydra serpentina</i> (YPM 10706)	17.9	11.8	13.5	stagnant or small bodies of water
<i>Chelydra serpentina</i> (YPM 10557)	30.8	19.4	21.9	stagnant or small bodies of water
<i>Chelydra serpentina</i> (YPM 11429)	51	32.7	39.2	stagnant or small bodies of water
<i>Chelydra serpentina</i> (YPM 10572)	58	36.4	42.7	stagnant or small bodies of water
<b>Dermochelyidae</b>				
<i>Dermochelys coriacea</i> (YPM 10798)	210	85	465	moving or large bodies of water
<b>Emydidae</b>				
<i>Chrysemys picta</i> (FMNH 22225)	24.3	13.5	16.8	stagnant or small bodies of water
<i>Clemmys guttata</i> (FMNH 22073)	18.7	10.6	10.5	primarily on land, often in water
<i>Deirochelys reticularia</i> (FMNH 98754)	29.5	17.2	20.1	stagnant or small bodies of water
<i>Emys</i> (also <i>Emydoidea</i> ) <i>blandingii</i> (FMNH 24056)	38.2	21.2	23.1	stagnant or small bodies of water
<i>Emys</i> (also <i>Clemmys</i> ) <i>marmorata</i> (FMNH 22076)	25	16.7	16.3	stagnant or small bodies of water
<i>Emys orbicularis</i> (FMNH 211760)	29.7	16.6	18.1	stagnant or small bodies of water
<i>Glyptemys</i> (also <i>Clemmys</i> ) <i>insculpta</i> (FMNH 22240)	43.7	25.1	26.3	primarily on land, often in water
<i>Graptemys geographica</i> (FMNH 211793)	35.6	20.2	26.4	all bodies of water
<i>Graptemys pseudogeographica</i> (FMNH 22218)	28.6	17	22.3	all bodies of water
<i>Malaclemys terrapin</i> (YPM 10929)	35.1	22.3	23.9	stagnant or small bodies of water
<i>Pseudemys floridana</i> (FMNH 22074)	57	35.5	39.2	stagnant or small bodies of water
<i>Trachemys scripta</i> (YPM 10385)	34.7	20.8	24.3	stagnant or small bodies of water
<i>Terrapene carolina</i> (FMNH 22237)	34.6	22.8	18.2	primarily on land
<i>Terrapene ornata</i> (YPM 11314)	26.6	16.1	12.7	primarily on land
<i>Terrapene ornata</i> (YPM 11312)	16.4	9.3	8.6	primarily on land
<i>Terrapene ornata</i> (YPM 11313)	24.3	15.4	12	primarily on land
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<i>Terrapene coahuila</i> (YPM 11871)	27.8	18.2	18.7	stagnant or small bodies of water

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<b>Geoemydidae</b>				
<i>Callagur borneoensis</i> (FMNH 224102)	73	52.8	70	moving or large bodies of water
<i>Cuora amboinensis</i> (YPM 5433)	35.8	25	22.3	stagnant or small bodies of water
<i>Cuora galbinifrons</i> (YPM 11469)	39.9	30.3	22.3	primarily on land, seldom in water
<i>Cuora flavomarginata</i> (YPM no number)	28.8	19.4	15.5	primarily on land, often in water
<i>Cuora (also Pyxidea) mouhotii</i> (YPM 10401)	28.9	19.9	16.8	primarily on land
<i>Cyclemys dentata</i> (FMNH 224083)	32.9	23	20.6	stagnant or small bodies of water
<i>Geoclemmys hamiltoni</i> (YPM 10399)	41.8	25.5	27.1	stagnant or small bodies of water
<i>Hardella thurjii</i> (FMNH 224153)	56	35.7	46.6	all bodies of water
<i>Heosemys grandis</i> (YPM 10946)	53	33.3	27.9	primarily on land, often in water
<i>Heosemys spinosa</i> (FMNH 224053)	40.2	27.4	22.6	primarily on land, often in water
<i>Kachuga dhongoka</i> (FMNH 224154)	36.6	23.1	31.7	moving or large bodies of water
<i>Mauremys japonica</i> (YPM 10953)	21	14.5	15.2	stagnant or small bodies of water
<i>Melanochelys trijuga</i> (FMNH 224247)	33.1	21.9	21.4	primarily on land, often in water
<i>Notochelys platynota</i> (FMNH 53269)	42.4	27.1	29.7	stagnant or small bodies of water
<i>Rhinoclemmys annulata</i> (YPM 10895)	34.6	24.3	18.7	primarily on land
<i>Rhinoclemmys funerea</i> (YPM 12174)	39.9	23.2	24.4	stagnant or small bodies of water
<i>Siebenrockiella crassicollis</i> (FMNH 224072)	32.3	22.2	20.6	stagnant or small bodies of water
<b>Kinosternidae</b>				
<i>Sternotherus odoratus</i> (FMNH 31278)	25.1	16.7	18	stagnant or small bodies of water
<i>Kinosternon flavescens</i> (FMNH 1924)	27.1	16.9	19.4	stagnant or small bodies of water
<i>Kinosternon baurii</i> (FMNH 218571)	16.4	11	9.9	stagnant or small bodies of water
<i>Kinosternon subrubrum</i> (FMNH 211715)	16	9.7	10.7	stagnant or small bodies of water
<i>Kinosternon sonoriense</i> (FMNH 45813)	27.3	17.7	19.8	stagnant or small bodies of water
<b>Platysternidae</b>				
<i>Platysternon megacephalum</i> (FMNH 51627)	31.9	21.3	23	stagnant or small bodies of water
<b>Pleurodira</b>				
<i>Pelusios sinuatus</i> (FMNH 12699)	56	38.9	37.1	stagnant or small bodies of water
<i>Podocnemis expansa</i> (FMNH 49)	80	52	67	moving or large bodies of water
<i>Podocnemis sextuberculata</i> (FMNH 16075)	36.7	26.8	35	moving or large bodies of water
<i>Chelodina longicollis</i> (FMNH 31047)	33.1	22.6	22.4	stagnant or small bodies of water
<i>Phrynops dahli</i> (FMNH 82393)	27.6	17.4	19.7	stagnant or small bodies of water
<i>Erymnochelys madagascariensis</i> (YPM 10884)	39.5	24.7	30	all bodies of water
<i>Emydura macquarrii</i> (YPM 10883)	39.8	26.8	26.4	stagnant or small bodies of water
<i>Chelus fimbriatus</i> (YPM 11225)	21.9	12.3	17.3	stagnant or small bodies of water
<b>Testudinidae</b>				
<i>Geochelone carbonaria</i> (FMNH 211818)	45.4	32.9	12.7	primarily on land
<i>Geochelone chilensis</i> (FMNH 223672)	35	22	12.4	primarily on land
<i>Geochelone denticulata</i> (FMNH 51674)	134	96	38.9	primarily on land
<i>Geochelone elegans</i> (FMNH 223674)	26.7	19.6	7.6	primarily on land
<i>Geochelone elephantopus</i> (FMNH 229908)	75	51	25.1	primarily on land

Taxa	humerus in mm	ulna in mm	"hand" in mm	habitat
<i>Geochelone radiata</i> (FMNH 22260)	65.7	47.1	15.4	primarily on land
<i>Gopherus agassizii</i> (FMNH 31287)	64	46.7	17.1	primarily on land
<i>Gopherus polyphemus</i> (FMNH 211815)	52.2	36.3	15.2	primarily on land
<i>Kinixys belliana</i> (FMNH 22082)	31.5	22.7	10	primarily on land
<i>Kinixys homeana</i> (FMNH 22384)	37.6	29.1	9.7	primarily on land
<i>Malacochersus tornieri</i> (FMNH 25436)	26.7	17.8	10	primarily on land
<i>Testudo graeca</i> (FMNH 211728)	41.5	24.8	15.6	primarily on land
<i>Geochelone sulcata</i> (YPM 11445)	88	61	23.5	primarily on land
<b>Trionychidae</b>				
<i>Amyda cartilaginea</i> (FMNH 77588)	96	62	107	moving or large bodies of water
<i>Apalone mutica</i> (FMNH 22065)	38	23.2	40.7	moving or large bodies of water
<i>Lissemys punctata</i> (FMNH 22062)	35	22.1	36.7	moving or large bodies of water
<i>Pelochelys bibroni</i> (FMNH 2358)	52	28.9	53	moving or large bodies of water
<i>Pelodiscus sinensis</i> (YPM 10952)	33.5	24.8	38.5	moving or large bodies of water
<b>Fossil Taxa</b>				
<i>Proganochelys quenstedti</i> (casts of SMNS 16980)	140	76	55	
<i>Palaeochersis talampayensis</i> (photographs of UPVLR 69, no dimensions)	28	22	13	

Abbreviations:

CJB = private collection Dr. Christopher J. Bell, currently at UT Austin.

FMNH = Field Museum of Natural History, Chicago.

YPM = Yale Peabody Museum, New Haven.

SMNS = Staatliches Museum für Naturkunde, Stuttgart.

UPVLR = Universidad Nacional de La Rioja, La Rioja.